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## Certificate of Analysis

### Client Information

PurHealth RX  
14663 S. Heritage Crest Way  
Bluffdale, UT  
84065 USA  
801.903.7789

### Sample Information

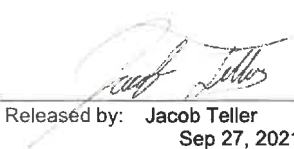
ARL ID: 439482  
Date Received: 9/22/2021  
Description: 4500mg Metabolic 2oz / 1125mg Metabolic 0.5oz  
Lot#: 21205

| Analysis                           | Method      | <sup>†</sup> MDL / LOQ | Specification | Results       | UOM       | Lab ID |
|------------------------------------|-------------|------------------------|---------------|---------------|-----------|--------|
| Complete Micro Profile Pseudomonas | USP, AOAC   |                        |               |               |           | 1      |
| Total Plate Count                  | USP <2021>  | 10                     | Record Only   | None Detected | cfu's/g   | 1      |
| Coliforms                          | AOAC 991.14 | 10                     | Record Only   | None Detected | cfu's/g   | 1      |
| E. coli                            | USP <2022>  | Absent                 | Record Only   | Absent        | cfu's/10g | 1      |
| Staphylococcus aureus              | USP <2022>  | Absent                 | Record Only   | Absent        | cfu's/10g | 1      |
| Salmonella                         | USP <2022>  | Absent                 | Record Only   | Absent        | cfu's/10g | 1      |
| Pseudomonas aeruginosa             | USP <62>    | Absent                 | Record Only   | Absent        | cfu's/10g | 1      |
| Yeast                              | USP <2021>  | 10                     | Record Only   | None Detected | cfu's/g   | 1      |
| Mold                               | USP <2021>  | 10                     | Record Only   | None Detected | cfu's/g   | 1      |

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<sup>†</sup>**Method Detection Limit (MDL):** In microbiological testing, this is the minimum level of growth that can be detected with confidence. If a result is reported as "None detected", it means any visible growth was below this limit. **Limit of Quantitation (LOQ):** In analytical chemistry testing, this is the minimum level of the desired analyte that can be quantified with confidence. If a result is reported as less than LOQ, it means any detected amount was too small to report an exact number.

\* ARL is an ISO/IEC 17025:2017 Accredited Laboratory. Uncertainty data for ISO-scoped methods is available upon request. Certificate and scope are also available upon request.

This Certificate of Analysis represents data only for the sample provided and does not constitute a guarantee of quality for the entire production lot.



**HM: Heavy Metal Analysis [WI-10-13]**

Analyst: JFD

Test Date: 3/29/2018

This test method was performed in accordance with the requirements of ISO/IEC 17025. These results relate only to the test article listed in this report. Reports may not be reproduced except in their entirety.

**25691-HM**

| Symbol | Metal   | Conc. <sup>1</sup> | Units | MDL | Use Limits <sup>2</sup> |           | Units | Status |
|--------|---------|--------------------|-------|-----|-------------------------|-----------|-------|--------|
|        |         |                    |       |     | All                     | Ingestion |       |        |
| As     | Arsenic | ND                 | µg/kg | 4   | 200                     | 1500      | µg/kg | PASS   |
| Cd     | Cadmium | 3                  | µg/kg | 1   | 200                     | 500       | µg/kg | PASS   |
| Hg     | Mercury | 3                  | µg/kg | 2   | 100                     | 1500      | µg/kg | PASS   |
| Pb     | Lead    | 37                 | µg/kg | 2   | 500                     | 1000      | µg/kg | PASS   |

1) ND - None detected to Lowest Limits of Detection (LLD)

2) MA Dept. of Public Health: Protocol for MMJ and MIPS, Exhibit 4(a) for all products.

3) USP exposure limits based on daily oral dosing of 1g of concentrate for a 110 lb person.

**MB1: Microbiological Contaminants [WI-10-09]**

Analyst: Alyson

Test Date: 3/29/2018

This test method was performed in accordance with the requirements of ISO/IEC 17025. These results relate only to the test article listed in this report. Reports may not be reproduced except in their entirety.

**25691-MB1**

| Symbol | Analysis                                | Results | Units | Limits*      | Status |
|--------|---|---------|-------|--------------|--------|
| AC     | Total Aerobic Bacterial Count           | <100    | CFU/g | 10,000 CFU/g | PASS   |
| CC     | Total Coliform Bacterial Count          | <100    | CFU/g | 100 CFU/g    | PASS   |
| EB     | Total Bile Tolerant Gram Negative Count | <100    | CFU/g | 100 CFU/g    | PASS   |
| YM     | Total Yeast & Mold                      | <100    | CFU/g | 1,000 CFU/g  | PASS   |

Note: All recorded Microbiological tests are within the established limits.

**MB2: Pathogenic Bacterial Contaminants [WI-10-10]**

Analyst: matt

Test Date: 3/29/2018

This test method was performed in accordance with the requirements of ISO/IEC 17025. These results relate only to the test article listed in this report. Reports may not be reproduced except in their entirety.

**25691-MB2**

| Test ID    | Analysis       | Results  | Units | Limits*      | Status |
|------------|----------------|----------|-------|--------------|--------|
| 25691-ECPT | E. coli (O157) | Negative | NA    | Non Detected | PASS   |
| 25691-SPT  | Salmonella     | Negative | NA    | Non Detected | PASS   |

Note: All recorded pathogenic bacteria tests passed.

*PST: Pesticide Analysis [WI-10-11]*

Analyst: KSB

Test Date: 3/29/2018

The client sample was analyzed for pesticides using Liquid Chromatography with Mass Spectrometric detection (LC/MS/MS). The method used for sample prep was based on the European method for pesticide analysis (EN 15662).

*25691-PST*

| Analyte            | CAS         | Result | Units | LLD | Limits (ppb) | Status |
|--------------------|-------------|--------|-------|-----|--------------|--------|
| Abamectin          | 71751-41-2  | ND     | ppb   | 0.2 | 10           | PASS   |
| Azoxystrobin       | 131860-33-8 | ND     | ppb   | 0.1 | 10           | PASS   |
| Bifenazate         | 149877-41-8 | ND     | ppb   | 0.1 | 10           | PASS   |
| Bifenthrin         | 82657-04-3  | ND     | ppb   | 0.2 | 10           | PASS   |
| Cyfluthrin         | 68359-37-5  | ND     | ppb   | 0.5 | 10           | *      |
| Daminozide         | 1596-84-5   | ND     | ppb   | 10  | 10           | PASS   |
| Dichlorvos         | 62-73-7     | ND     | ppb   | 3   | 10           | *      |
| Etoxazole          | 153233-91-1 | ND     | ppb   | 0.1 | 10           | PASS   |
| Fenoxycarb         | 72490-01-8  | ND     | ppb   | 0.1 | 10           | PASS   |
| Imazalil           | 35554-44-0  | ND     | ppb   | 0.1 | 10           | PASS   |
| Imidacloprid       | 138261-41-3 | ND     | ppb   | 0.1 | 10           | PASS   |
| Myclobutanil       | 88671-89-0  | ND     | ppb   | 0.1 | 10           | PASS   |
| Paclobutrazol      | 76738-62-0  | ND     | ppb   | 0.1 | 10           | PASS   |
| Piperonyl butoxide | 51-03-6     | ND     | ppb   | 0.1 | 10           | PASS   |
| Pyrethrin          | 8003-34-7   | ND     | ppb   | 0.1 | 10           | PASS   |
| Spinosad           | 168316-95-8 | ND     | ppb   | 0.1 | 10           | PASS   |
| Spiromesifen       | 283594-90-1 | ND     | ppb   | 0.1 | 10           | PASS   |
| Spirotetramat      | 203313-25-1 | ND     | ppb   | 0.1 | 10           | PASS   |
| Trifloxystrobin    | 141517-21-7 | ND     | ppb   | 0.1 | 10           | PASS   |

\* Testing limits established by the Massachusetts Department of Public Health, Protocol for Sampling and Analysis of Finished Medical Marijuana Products and Marijuana-Infused Products for Massachusetts Registered Medical Marijuana Dispensaries, Exhibit 5. ND indicates "none detected" above the lower limit of detection (LLD). Analytes marked with (\*) indicate analytes for which no recovery was observed for a pre-spiked matrix sample.

*VC: Analysis of Volatile Organic Compounds [WI-10-07]**Analyst: CJH**Test Date: 3/29/2018*

The client sample was analyzed by Head-Space Gas Chromatography (HS-GC). The collected data was compared to data collected for certified reference standards at known concentrations.

*25691-VC*

| Compound           | CAS      | Amount <sup>1</sup> | Limit <sup>2</sup> | Status |
|--------------------|----------|---------------------|--------------------|--------|
| Propane            | 74-98-6  | ND                  | N/A                | -      |
| Butane             | 106-97-8 | ND                  | 5,000 ppm          | PASS   |
| Methanol           | 67-56-1  | ND                  | 3,000 ppm          | PASS   |
| Ethanol            | 64-17-5  | ND                  | 5,000 ppm          | PASS   |
| 2,2-dimethylbutane |          | ND                  | N/A                | -      |
| Acetone            | 67-64-1  | ND                  | 5,000 ppm          | PASS   |
| Isopropanol        | 67-63-0  | ND                  | 5,000 ppm          | PASS   |
| 2,3-dimethylbutane | 79-29-8  | ND                  | N/A                | -      |
| 3-methylpentane    | 96-14-0  | ND                  | N/A                | -      |
| Hexane             | 110-54-3 | ND                  | 290 ppm            | PASS   |
| 1-propanol         | 71-23-8  | ND                  | 5,000 ppm          | PASS   |
| Toluene            | 108-88-3 | ND                  | 890 ppm            | PASS   |

1) ND = None detected above 5 ppm.

2) In ppm, based on USP recommended limits for residual solvents, adopted by the Massachusetts Department of Public Health on 3/31/16. Butane/Propane limits are based on limits established for state of Colorado.

**END OF REPORT**